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# FOLIO

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## University of Alberta, Three Others to Address Problems in Western Canadian Agriculture

On 18 September in Saskatoon, the Western Canadian Agricultural Research Program, sponsored by Canadian Pacific Limited as part of its centennial celebrations, was unveiled.

F.S. Burbidge, CP Chairman, announced that the Universities of Alberta, Manitoba, Saskatchewan and McGill University each will receive \$250,000 to "stimulate research into the perplexing problems of Western Canadian agriculture, with particular emphasis on the powerful new science of plant biotechnology."

The master plan will see biotechnological researchers from a range of academic disciplines and Faculties encouraged to conduct cooperative

studies on various agricultural problems by identifying and publicizing priorities; by direct funding of relevant projects; and by promoting inter-university exchanges of graduate students, professors and other researchers.

As well, conferences, workshops, tours and short courses relating to problem areas and promising advances will be sponsored by the five-year Western Canadian Agricultural Research Program.

(Next year, a "major agricultural research symposium" will take place at our University. Prominent researchers from across Canada will give papers containing potential solutions to

agricultural problems in Western Canada.)

Policy for the program will be set by a co-ordinating council of which J.G. Kaplan, Vice-President (Research), is a member. He feels that the CP funding will encourage researchers across Canada to move in the direction of the application of new technologies of molecular and cellular biology to improve western crops and forests.

Dr. Kaplan is hopeful that various agricultural interests will realize the importance of plant biotechnology to the future of Canadian farming. "The \$250,000 gift to each of the four universities involved will have a much greater effect than the figure might suggest. This program will enable our people to exchange personnel and information with the three other universities. This inter-university, interdisciplinary approach will combine some of the top Canadian minds in

plant biotechnology toward the common goal of improving Western Canadian agricultural techniques and products.

"We see the emphasis being on people, our most vital resource for successful results. Not only does this new program represent an important step in furthering biotechnology, it may also become a model for continuing inter-university cooperation," Dr. Kaplan said.

Agriculture is, of course, a cornerstone of the research effort at this University. The Departments involved are Agricultural Engineering, Entomology, Plant Science, Animal Science, Botany, Genetics, Soil Science, and Rural Economy.

D.P.S. Verma, Professor of Biology at McGill University, has been selected to serve as the Western Agricultural Research Program's inaugural Canadian Pacific touring lecturer. His tour will begin in 1985. □

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## Dostoevsky Specialist to Visit

Rudolf Neuhauser, an internationally recognized specialist in Russian literature from the University of Klagenfurt (Austria), will visit our University 3 to 26 October. Invited by the Department of Slavic and East European Studies under the Visiting Scholar Program, Professor Neuhauser will give six public lectures on Russian literature during his stay.

Professor Neuhauser studied at the University of Toronto and the University of Vienna, receiving his PhD from the latter. Prior to his appointment at the University of Klagenfurt (where he heads the Institute for Slavistics) Professor Neuhauser taught at Wayne State University and the University of Detroit as well as at several Canadian institutions (University of Toronto, Victoria University, University of Western Ontario).

Professor Neuhauser is known for his research on Sentimentalism, Ro-

manticism, Modernism, recent Soviet Russian Literature and Dostoevsky. He is the author of many articles and several books, among them *Towards the Romantic Age. Essays on Sentimental and Pre-romantic Literature in Russia* (1974) and *Das Frühwerk Dostoevskijs. Literarische Tradition und gesellschaftlicher Anspruch* (1979).

His six lectures will be on the following topics: "Preromantic Literature in Russia" (8 October); "Biedermeier in Russian Literature" (10 October); "Dostoevsky's Early Prose" (11 October); "The Implied Reader in Dostoevsky's Fiction" (15 October); "Soviet Russian Prose of the '60s and '70s" (17 October); "The 'Avantgarde' in Russian Literature" (22 October). All lectures will be held at 3 p.m. in the Senate Chamber, Arts Building. Enquiries: 432-3537. □

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## Saturday Morning at the Law School

A series of public legal education seminars will once again take place in 237 Law Centre every Saturday morning (9:30 a.m. to 12:30 p.m.), 29 September to 30 March 1985. The seminars are designed to provide insight into laws which affect the community at large and relate to such matters as business and family life.

Presentations will be made by a panel composed of lawyers and academics who specialize in the area of law under discussion. The seminars are sponsored by the Legal Education Society of Alberta, the Young Lawyers Section of the Canadian Bar Association, the Faculty of Law, and the

Legal Resource Centre in the Faculty of Extension.

The first three lectures are as follows: "Lawyers and the Legal Profession," 29 September; "Starting a Business," 20 October; and "Insurance Law," 10 November. Admittance is free, and refreshments will be served.

The Law Centre is located on the corner of 111 Street and 89 Avenue. Free parking is available in lots N and Z, both adjacent to the Law School.

For further information regarding topics and/or speakers, the individual to speak with is Bruce Ziff, 432-3147. □

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## University Helping to Sponsor Oil and Freshwater Conference

An international conference on Oil and Freshwater will be held 15 to 18 October at the Westin Hotel. The conference, which will pertain to chemistry, biology and technology, will include field trips to the Imperial Oil Strathcona Refinery, the Esso Resources Cold Lake In-Situ Oil Sands Recovery Project, and Syncrude Canada Ltd. and Suncor Inc. Surface Mining Oil Sands Plant in Ft. McMurray.

Conference sessions begin on 15 October and end 17 October. Field trips will be conducted on 18 October (participants may attend one of the three). 19 October, will be an open day of activity.

Some of the topics covered in the sessions and speakers are as follows: "Water Soluble Substances from Heavy Oils and Tar Sands Bitumens," L.G. Hepler, C. Dobrogowska and K. Kasperski, Departments of Chemistry and Chemical Engineering, University of Alberta; "Chronic Discharges of Petroleum Hydrocarbons into Rivers via Municipal Treatment Facilities, Urban Runoff and Combined Sewer Overflows," E.J. Hoffman and J.G. Quinn, Graduate School of Oceanography, University of Rhode Island; "Penetration of Oil in Freshwater Beach Materials," C.H. Peabody and A.G. Holoboff, ESSO Resources Canada Ltd.; "Solubility Behavior of Hy-

drocarbon Mixtures: Implications for Petroleum Dissolution," D.R. Burris and W.G. MacIntyre, Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, Virginia; "Petroleum Hydrocarbons in the Inland Waters of Australia and New Zealand: a Review," F. Michaelis, Launceston, Tasmania, Australia; and "Oil Pollution and Clean-Up Effects on the Freshwater Marsh Reed *Phragmites australis*," R.J. Poole, Field Studies Council, Kingsbridge, Devon, U.K.

The conference fee of \$250 (Canadian) includes participation in all sessions, three luncheons, mixers, one

field trip (except for a nominal field trip registration fee), and a hard-bound copy of the proceedings volume, published by Pergamon Press Canada Ltd.

Single-day registration is \$90 and does not include a copy of the proceedings. Due to limited space on the field trips, advance registration is advised. Registration hours are 5 to 8 p.m., 14 October, and 7:30 a.m. to noon, 15 October, at the conference centre in the Westin Hotel.

Pre-registration for the field trips may be arranged by mailing payment in full (cheque or money order) to the Oil and Freshwater Conference, De-

partment of Civil Engineering, University of Alberta, Edmonton, Alberta T6G 2G7.

Sponsors of the conference include the Natural Sciences and Engineering Research Council of Canada, the Energy Resources Conservation Board (ERCB) of Canada, the Petroleum Association for the Conservation of the Canadian Environment (PACE), and the University of Alberta.

Conference Co-Chairmen are S.E. Hrudey of our University's Department of Civil Engineering, and J.H. Vandermeulen of the Bedford Institute of Oceanography, Dartmouth, Nova Scotia. □

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## Department of Food Science Hosts Leading Dairy Technologist

From 27 September to 1 October, the Department of Food Science will play host to Edmund Renner from Justus Liebig University in Glessen, West Germany. Professor Renner is recognized throughout the world for his extensive research and publications in the area of Dairy Technology (especially ultra-high temperature processing of milk and other dairy products) and dairy nutrition.

He is the author of numerous scientific reports dealing with effects of various technological processes on nutritive value of dairy foods. His textbook, *Milk and Dairy Products in Human Nutrition*, has been so well received in Europe that it has seen four printings, one revision, and translation into English in less than the 10 years since its first appearance in 1974. In his research group, many aspects of nutrient changes during processing are being studied in various dairy products, including whey drinks, UHT sterilized milk, and fermented dairy products.

During his visit at our University, Professor Renner will present two lectures. On 28 September at 3 p.m. in 769 General Services Building, he will speak on "Ultra-High Temperature Processing of Milk and Other Dairy Products in Europe"; on 1 October at

4 p.m. in V-107 Physical Sciences Building, Professor Renner will present a lecture entitled "Nutritional Aspects of Dairy Products with Particular Emphasis on Fermented Milks and Milk Fat in Nutrition of Children and Adults".

Professor Renner, whose visit is sponsored by the Alberta Heritage

Foundation for Medical Research, will also hold technical discussions with interested parties, including industry and government personnel. Kindly contact P. Jelen at 432-2480 for additional information regarding this visit or to arrange for a suitable discussion schedule. □

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## FOLIO

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Editor

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## 'Brain Robbery' Authors Clock Universities Speeding on Road to Ruin

The Canadian university system is rushing headlong down the road to hell, according to the authors of *The Great Brain Robbery, Canada's Universities on the Road to Ruin*. "Salvation...lies not in faculty unionism, not in the continued existence of senates structured as they currently are, but in a courageous admission that a strong dose of elitism and genuine shared authority are the best way to run a university."

Authors David Bercuson (University of Calgary), Robert Bothwell (University of Toronto), and J.L. Granatstein (York University) label tenure a four letter word and recom-

mend that a system of five-year renewable contracts be substituted for tenure.

Other recommendations contained in the book: a return to the principle of "publish or perish", raising entrance standards, imposition of a core curriculum, restructuring of the governing bodies, and a rethinking of the funding and content of cross-disciplinary "studies" programs—Canadian studies, women's studies, native studies, etc.

*The Great Brain Robbery* is available in Canadian bookstores or from the publisher, McClelland and Stewart. Cost is \$12.95. □

## Nobel Laureate Gerard Debreu to Give Two Lectures

Gerard Debreu, Professor of Economics and Mathematics at the University of California at Berkeley, was awarded the Nobel Memorial Prize in Economic Science on 17 October 1983. He will visit the University of Alberta next week to deliver two lectures. The first, a public lecture entitled "Aspects of the Theory of General Economic Equilibrium," will be given on 3 October, at 3:30 p.m. in 1-105 Business Building. The second, entitled "The Core of an Economy," will be a mathematics colloquium on 4 October at 4 p.m. in 657 Central Academic Building. Professor Debreu's visit is jointly sponsored by the Departments of Economics, Finance and Mathematics.

The Nobel Memorial Prize was awarded to Professor Debreu in recognition of his three decades of work on the fundamental problems of economic theory. His primary contribution is the demonstration that it is mathematically possible for a free-market economy (comprised of millions of individual consumers and producers making independent decisions based on the prices of goods and services) to reach a general economic equilibrium. Moreover, this general equilibrium results in the highest

attainable level of consumer satisfaction in the economy. This phenomenon was a conjecture of Adam Smith in 1776 and was described by him as the "invisible hand" governing economic behavior. Thereafter, a long sequence of economists struggled to find the conditions under which it would be true. Debreu's work, presented in his book *The Theory of Value: An Axiomatic Analysis of Economic Equilibrium*, was a breakthrough in this area—he was able to prove the validity of the conjecture under realistic assumptions regarding the structure of the economy.

The Swedish Academy of Sciences cited Professor Debreu's theoretical contributions as lending themselves to "far-reaching interpretations and applications." It said his book, *The Theory of Value*, had become recognized as "a classic, both for its universality and for its elegant analytical approach."

While Debreu is not well-known among non-economists because of the theoretical nature of his work, he is highly respected by his colleagues and his work forms a part of the fundamental training of every graduate student in economics. He is currently working on the problem of linking complexity theory, a new theory of algorithms, with the economic theory of information.

Gerard Debreu was born 4 July 1921 in Calais, France. In 1941, he was admitted to the Ecole Supérieure where he studied mathematics and physics. Having served in the French army during the last year of World War II, he then passed the concours d'agrégation de Mathématiques in 1946 and became a Research Associate of the Centre National de la Recherche Scientifique in Paris. Debreu won a Rockefeller fellowship and spent the first six months of 1949 at Harvard, went to Berkeley during the summer and spent part of the fall at the Cowles Commission in Chicago. In 1955, he joined the Cowles Commission and moved with it to Yale University where it became the Cowles Foundation and Debreu was made Associate Professor of Economics. In 1954, he was elected a Fellow of the Econometric Society. A first version of *Theory of Value* was presented as a Doctor of Science the-

sis at the University of Paris in 1956.

In 1960, Debreu went to Stanford University and in 1962 became Professor of Economics and in 1975 also of Mathematics at the University of California at Berkeley. In 1975, he became an American citizen. From 1969 to 1971, he was Vice-President and President of the Econometric Society. Since 1970, he has been Fellow of the American Academy of Arts and Sciences, became Chevalier e la Légion d'Honneur in 1976, and was made a Member of the National Academy of Sciences (USA) in 1977. Debreu holds honorary degrees: Doc-

tor *honoris causa* of Economics from the Universities of Bonn, Germany (1977), Lausanne, Switzerland (1980), and Northwestern University, USA (1981). He is a Distinguished Fellow of the American Economic Association (1982).

Professor Debreu's visit is an excellent opportunity for members of the University to hear him talk about the work for which he received his award. The public lecture on 3 October is suitable for a general audience while the mathematics colloquium on 4 October will be of a more technical nature. □

## Guild for Mediaeval and Renaissance Studies on the Rebound

Reports of the death of the Guild for Mediaeval and Renaissance Studies were greatly exaggerated. The Guild was in questionable health for the past two or three years but it's on its pins again. Richard Bosley, Professor of Philosophy, has assumed the mantle of Acting Convenor of the Guild and has scheduled a meeting for 11 October at 3:30 p.m. in L-2 Humanities Centre (Audio-Visual Wing). He will talk about the Guild in general and generate discussion on ways of revitalizing it. There will be no membership fees for 1984-85; an executive will be elected in the spring if all goes well.

Dr. Bosley has planned other meetings for 8 November, 13 December, 10 January, 14 February, 14 March, and 11 April.

A revival of interest in Aristotle's ethical theory, i.e., the Doctrine of the Mean, has led Dr. Bosley to take up the cudgels on behalf of the Guild. A number of great writers were attracted to the theory which has it that life take a middle course between two extremes. Speakers such as Enrico Musacchio, Romance Languages; Linda Woodbridge, English; Nicole Mallet, Romance Languages; and Eleanor Stumph, a consulting editor of the *Cambridge History of Mediaeval Philosophy*, will discuss how the theory was embodied by Dante, Shakespeare, Molière, Saint Thomas Aquinas, and others.



The meetings, which will observe the speaker-followed-by-discussion format, are open to all interested in the history of European thought and literature.

The Guild for Mediaeval and Renaissance Studies was established in 1960 by a group of scientists and mathematicians who wished to promote better communication between the various disciplines in the arts and sciences. Subject matter ranged from a discussion of owls in Mediaeval iconography to the concept of madness in the Middle Ages to Indians visiting Europe in the 16th and 17th centuries. □

### A Sin of Omission

An article in last week's *Folio*, "Florsheims on the Red Carpet," briefly informed readers about the visit to campus on 21 and 22 September of the Alberta branch of the Young Presidents' Organization. In enumerating the many excellent presentations that were to be made during the event, mention was not made of the Faculty of Science's important contributions in fields other than Computing Science (in Microbiology, Geology, Chemistry and Physics) or of the highly valued participation by the Faculties of Home Economics and Education and the Library. From all accounts, the event was a huge success. The young presidents and their families very much appreciated the presentations and the learning experience offered them by all who took part. □

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## Department of Agricultural Engineering Organizes New Collection on History of Farm Mechanization

A new source on the history of the mechanization of agriculture is being organized and catalogued by the Department of Agricultural Engineering. The Macgregor Smith/MacHardy/Stephanson Collection consists of pamphlets, some primary materials, and trade literature donated to the Department's Reading Room by three former professors.

In the past, this collection has been extensively utilized by researchers, notably the Reynolds-Alberta Museum for its research contracts on the

history of agricultural mechanization in Alberta. But access was a problem, since the passage of time had destroyed the original order. That factor, complemented by increasing usage, resulted in a decision being made by the department, in cooperation with the Reynolds-Alberta Museum, to hire a student to organize the collection. Since April, Keith Hart, now a second-year student in the Faculty of Library Science, University of Alberta, has been at work putting the collection in order.

The Macgregor Smith/MacHardy/Stephanson Collection has three basic parts: 1) The Archival Component, which includes correspondence, the radio broadcasts on agricultural subjects by John Macgregor Smith, the minutes of the National Committee on Agricultural Engineering and its Sections, the Regional Committee on Soil Drifting, and the Interprovincial Farm Machinery Committee. This component is accessible by an inventory prepared by Mr. Hart. The items are arranged in lists. 2) The Main Component, which contains mostly pamphlets on farm mechanization. These include a substantial number of items relating to this history of agricultural mechanization not only in Alberta but in the rest of Canada and in the United States as well. There are also a number of bibliographies on such subjects as the economics of farm mechanization and agricultural libraries. This section is classified and catalogued according to the system developed by the American Society of Agricultural Engineers. A card catalogue is being prepared but this will

not be available for several months. For the present, access is provided by a temporary master list. Plans call for the collection to be entered into SPIRES at some future date. 3) The Trade Literature Component, which consists of manuals, catalogues, and advertising materials of farm machinery. This is a source that is often regarded all too lightly by researchers, but is in fact very valuable. Such literature may be used, for example, to identify and describe machinery of a given period in history.

The Collection is still being processed by Mr. Hart, who will be working part-time during the academic year. The Reading Room is open from 8:30 a.m. to noon and from 1 to 4:30 p.m., Monday to Friday. For the Fall Term, Mr. Hart will be available for reference service on Tuesdays (all day) and Wednesday afternoons from 1 to 4:30 p.m.

This project is being supervised by K.W. Domier, Chairman of the Department, and interested researchers may contact him at 432-4251 or in 751 General Services Building. □

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## Football Golden Bears Knee-deep in Protection

The 1984 edition of the Golden Bears football team will be using a new knee brace to help reduce the number and the severity of knee injuries. The brace, the Poly-Sport Knee Joint, will be worn by all offensive and defensive linemen and linebackers during both games and practices during the course of the season.

The Bears have received a \$1,000 contribution from Molson Alberta Brewery Ltd. to help cover the cost of the braces. "We are very pleased with the donation by Molson's to our program," stated Head Coach Jim Donlevy. "It shows their positive commitment to our team in particular, and amateur sports in general. We feel that these braces will be a positive factor in the ability of our players to perform to the best of their athletic talents."

The Poly-Sport Knee Joint is a brace that fits down the lateral (outside) side of the leg. Each athlete will wear one on both legs. It is designed with a polycentric joint to complement the knee's normal physical movements. It is used on healthy knees to protect them from situations that could lead to a major injury.

According to Ray Kelly, Head Therapist, the brace functions much as the football helmet. "It will not stop extreme forces from causing an injury, but it can reduce the severity of the

injury. If this brace prevents one major knee injury during the course of the season, it is worth the cost," he said.

The Poly-Sport Knee Joint is manufactured locally and is much lower in cost than those manufactured in the United States, with no loss of protection to the athlete.

In other news, the Golden Bears and Pandas announced recently that Sport Chek will be sponsoring the Male and Female Athlete of the Month Awards for the 1984-85 inter-collegiate athletic season.

Dave Davies, Marketing Director for Sport Chek Edmonton, announced that the firm will recognize a Golden Bear and Panda athlete each month from September 1984 to March 1985.

The athletes will be selected by a media panel each month. Each winning athlete will receive a commemorative plaque from Sport Chek and a cheque for \$50 in their name will be donated to a charity of the athlete's choice by Sport Chek.

The presentations of the monthly awards will be made by Mr. Davies or a representative of Sport Chek at the various athletic events during the course of the season.

The coordination of the Athletes of the Month will be done through the University's Sports Information Office. □

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## 'The Silicon Connection'

The effective use of computers in education is the central theme for the fifth annual conference of the Alberta Society for Computers in Education (ASCE), 5 and 6 October at the Convention Inn South.

"Networking, the Silicon Connection" will offer sessions on such topics as "The Silicon Crystal Ball - Computers in Education in the 1990s," "Computers in School Administration," "Artificial Intelligence," "Computer Applications for the Physically Handicapped," and "How to Connect to a Network." Sessions will be conducted by computer experts from this University, NAIT, SAIT, ACCESS Alberta, Lethbridge Community College and other educational institutions and organizations.

Three keynote speakers have been attracted to the conference. Michael Allen is the Director of Artificial Intelligence Research and Development at Control Data Corporation in Min-

neapolis. He is Past President of the Association for the Development of Computer-Based Instructional Systems and a well-rounded scholar and practitioner in computer based learning. "Computers and the Law" will be handled by Dan Mersich, a lawyer specializing in legal matters related to data processing. He is the author of "EDP and the Law", which is run in the Canadian Data Systems periodical. Also, David Killans, President of APPLE Canada, will share his thoughts with conference registrants.

Exhibits will accompany the conference and more than 30 commercial hardware, software and publishing vendors will make it one of the largest displays of educational computing held in northern Alberta this year. It will give participants an opportunity to inspect a large variety of equipment, ask questions of sales representatives and compare features of hardware and software. □

## University Much in Evidence at Olympic Scientific Congress

Prior to each Olympic Games, the organizing nation is required to make available to scientists from around the world a Pre-Olympic Congress at which time there is a sharing of information by scholars in areas of research related to sport, physical education and leisure studies. This year, the University of Oregon at Eugene was the host campus for the Pre-Olympic Congress 19 to 26 July. The University of Alberta's Faculty of Physical Education and Recreation had one of the largest single contingents of any university in the world. Graduate students and staff presented 14 scientific papers and several other members of staff were involved with the organization of the Congress itself. A key member was Gerald Redmond, who was selected as one of the organizers of the scientific program commission. He was responsible for

the development of the sessions on sport history and sport and politics.

The following members of the Faculty presented papers at the 1984 Olympic Scientific Congress, an event which attracted about 2,500 delegates from throughout the world:

Bhambhani, Y. and Singh, M., "Effect of Oxygen Debt on Total Metabolic Cost During Sub-maximal Exercise."

Bhambhani, Y. and Singh, M., "Cinematographic and Metabolic Analysis of Optimal Walking and Running Speeds."

Brown, D., "Imperialism and Games on the Playing Fields of Canada's Private Schools."

Burton, T., "The Challenge of Leisure and its Diversity in a Pluralistic Society—Public Leisure Services: The Stuff of Empires."

Dixon, M.J., "Participation in Phy-

sical Recreation and Adult Development."

Gilverson, P., "Federal Provincial Diplomacy in a Canadian Sport."

Nielsen, A.B., "Commitment to General and Specific Physical Activity."

O'Brien, S.J., "Examining the "Artistic" in Artistic Gymnastics."

Simpson, R.W., "A Sport History Information Retrieval System."

Slack, T., "The 1988 Calgary Winter Olympics."

Steadward, R., "Training and Fitness Programs for the Disabled Athlete: Past, Present and Future" (keynote address).

Veitch, C., "Play Up, Play Up, and Win the War."

Wankel, L.M., "Factors Affecting Sport Enjoyment and Participation."

Wankel, L.M., "Social Influences Upon Girls' Participation in Organized Sport Programs."

In addition, the following members of the Faculty of Physical Education and Recreation were actively involved in organizing the congress or presiding at different sessions. R. Alderman was Chairman of the session on "Aggression and Violence in Sport," David Brown was Chairman of the session on "The Modern Olympic Movement and Philosophy," and T. Burton was Chairman of the session on "Pragmatic and Eclectic Roles of Government in Sport." G. Redmond was a member of both the organizing committee and the Scientific Program Commission of the Congress. In addition, he presided at the sessions on "Sport History" and "Sport and Politics." M. Singh was a Chairman of a session on "Isokinetic Training and Fatigue," and R. Steadward was Chairman of two sessions on "Sport and Disabled Individuals." □

## Guy Sylvestre to Speak on Research Libraries

Guy Sylvestre, National Librarian of Canada from 1968 to 1983, currently Director of the Canadian Institute for Historical Microforms, and an acknowledged senior statesman of Canadian librarianship, will speak at the University of Alberta on Thursday, 11 October, in the Humanities Centre Lecture Theatre 1, at 8 p.m.

He will discuss "The Shape of Research Libraries in Canada's Future," a topic that should be of interest both to librarians and scientists who depend on the resources of research libraries. My. Sylvestre brought the National Library of Canada into the Association of Research Libraries in 1971. Throughout his tenure he built and strengthened ties between the NLC and Canadian research libraries and between the NLC and the Library of Congress in the United States. Nationally and internationally, through the International Federation of Library Associations and through the Conference of Directors of National Libraries, of which he was a founder, Guy Sylvestre has been a leader in library networking and cooperation.

Through his vision and diplomacy he built the National Library of Canada into a focus for Canadian research libraries.

As Director of the Canadian Institute for Historical Microforms, he is central to a project that will preserve Canadian works published before this century for generations of scholars.

A scholar himself and a bibliographer, Guy Sylvestre has published an anthology of French-Canadian poetry and several reference works on Canadian literature in both French and English.

It is appropriate that such a scholar should inaugurate the Henry Kreisel Lecture Series, named for a noted scholar and author from the University of Alberta. Henry Kreisel, University Professor of Comparative Literature since 1975 and previously Vice-President (Academic) of the University and Chairman of the English Department, has participated actively over three decades in the development of the University Library as a major research collection. □



University of Alberta  
Edmonton

### The Senate

invites members of the public to nominate candidates for  
**Honorary Degrees**

The University of Alberta awards Honorary Degrees to individuals who have made outstanding contributions during their lives. The University Senate is responsible for choosing four or five recipients each year.

Nominees may be of local, national or international reputation and need not be of Canadian citizenship.

Nominations must be received in the Senate Office by **Wednesday, October 31, 1984**, and should include the signatures and addresses of two nominators, as well as a resume of the nominee and at least one letter of support.

Enquiries should be addressed to:

University of Alberta  
**The Senate**  
150 Athabasca Hall  
Edmonton, Alberta  
T6G 2E8  
Phone (403) 432-2268



# October 1984

September	November	December
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



This detailed exhibit on Faculté Saint-Jean was designed by Art and Design student Jane Edwards under the supervision of Bernd Hildebrandt, University Collections. The exhibit, which refers to the numerous milestones in the development of Saint-Jean and which contains a message from Dean Gamila Morcos, was transported to Grande Prairie, site of the Senate's meeting of 21 September. It will be left in that city indefinitely and loaned to various Francophone communities in the area. Previously, exhibits on the careers of oil sands pioneer Karl Clark and author Kerry Wood were mounted and taken to Senate meetings at Fort McMurray and Red Deer, respectively.

sunday	monday	tuesday	wednesday	thursday	friday	saturday
	<b>1</b> <ul style="list-style-type: none"><li>■ Opening of International Student Centre</li><li>■ GFC Executive</li></ul>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b> <ul style="list-style-type: none"><li>■ Board of Governors</li><li>■ Until 6 October, Alberta Society for Computers in Education, "Networking, the Silicon Connection"</li></ul>	<b>6</b>
<b>7</b>	<b>8</b> <ul style="list-style-type: none"><li>■ Thanksgiving Day; University buildings closed</li></ul>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b> <ul style="list-style-type: none"><li>■ GFC Executive</li><li>■ Registrations of students who have not paid at least the first instalment of their fees by this date will be subject to cancellation.</li></ul>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b> <ul style="list-style-type: none"><li>■ 1984 Henry Marshall Tory Lecture</li><li>■ Until 26 October, Mid-term Test Week</li></ul>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b> <ul style="list-style-type: none"><li>■ "Fitness Adventure"</li><li>■ Until 28 October, "Octoberfit"</li></ul>	<b>27</b>
<b>28</b>	<b>29</b> <ul style="list-style-type: none"><li>■ GFC</li></ul>	<b>30</b>	<b>31</b> <ul style="list-style-type: none"><li>■ Notice of Intention regarding attendance at Fall Convocation must be given by 4:30 p.m.</li></ul>			

# service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

## Coming Events

### Lectures and Seminars

#### Classics

27 September, 3:30 p.m. J.R. Wilson, "More on the *Gilgamesh Epic* and the *Iliad*." 1-8 Humanities Centre.

#### Mathematics

27 September, 4 p.m. Brian Hartley, University of Manchester, England, "Minimality Conditions in Group Theory." 657 CAB.

#### L. Doyal Nelson Lectureship

27 September, 7:30 p.m. Bruce Harrison, University of Calgary, "Relational Thinking in the Mathematics Classroom: Who Has Heard the Child?" 2-115 Education North.

#### English

28 September, noon. A reading by poet Robin Blaser. Senate Chamber, Arts Building.  
2 October, 12:30 p.m. A reading by poet Stephen Scobie. L-3 Humanities Centre.  
3 October, noon. Matt Cohen, writer, will read from his new historical novel, *The Spanish Doctor*. L-3 Humanities Centre.

#### Food Science

28 September, 3 p.m. Edmund Renner, Professor of Dairy Technology, Justus-Liebig University, Giessen, West Germany, "Ultra-High Temperature Processing of Milk and Other Dairy Products in Europe." 769 General Services Building.  
1 October, 4 p.m. Dr. Renner, "Nutritional Aspects of Dairy Products with Particular Emphasis on Fermented Milks and Milk Fat in Nutrition of Children and Adults." V-107 V-Wing.

#### Comparative Literature and Germanic Languages

28 September, 8 p.m. Ulrich Weisstein, German and Comparative Literature, Indiana University, will present a paper on Wolfgang Hildesheimer's novel *Marbot* and painting. Senate Chamber, Arts Building.

#### Forestry

3 October, noon. James Beck, Jr., "Impressions of Forestry and Land Use in Korea and Japan." 3-1 Mechanical Engineering Building.

#### Faculty of Medicine

3 October, 4 p.m. S.K. Ludwin, Department of Pathology, Queen's University, Kingston, "Demyelination and Remyelination in the Central Nervous System. Oligodendrocyte Behaviour in this Process." 277 Medical Sciences Building.

#### Limnology and Fisheries Discussion Group

4 October, noon. Steve Hrudevy, "Background Oil and Grease Levels in the Athabasca River and Their Relevance to the Fishery." G-217 Biological Sciences Building.

#### Music

##### Department of Music

All events take place in Convocation Hall.  
28 September, 8 p.m. Visiting Artist—Cathy Vickers, piano. Tickets: adults, \$4; students/senior citizens, \$2.  
30 September, 8 p.m. Helmut Brauss, piano, and members of the Debut String Quartet: Stephen Bryan, violin; Susan Bryan, viola; and Colin Ryan, violoncello.

#### Exhibitions

##### Ring House Gallery

Until 7 October. "Legacy in Ice: The Vaux Family and the Canadian Alps." An exhibition of vintage platinum photographs by George, William and Mary Vaux, Philadelphian Quakers who first came to the Canadian Rockies in 1887.

##### PATH

3 October, 1 to 8 p.m. Third Annual Positive Attitudes Towards the Handicapped (PATH) Public Awareness Exhibition. Concourse Level, University Pavilion.

#### Sports

##### Hockey

28 to 30 September. Second Annual Golden Bear Invitational Hockey Tournament. Varsity Arena.  
2 October, 7 p.m. Golden Bears vs. Camrose College.

##### Football

6 October, 2 p.m. Golden Bears vs. Manitoba. Varsity Stadium.

#### Matters of Faith

##### Catholic Campus Ministry

St. Joseph's College Mass Time, September to April. Monday, Wednesday, Friday - 7:30 a.m., 12:10 and 4:30 p.m.; Tuesday, Thursday - 7:30 a.m., 12:30 and 4:30 p.m.; Saturday, 4:30 p.m.; Sunday - 9:30 and 11 a.m., 4 and 8 p.m.  
Until 7 April, Wednesdays, 7:30 p.m. Journey in Faith for people considering joining the Catholic faith community. St. Joseph's College. Telephone Marcia, 433-2275.  
Until 21 November, Wednesdays, 7:30 p.m. Understanding Catholicism, a series of nine two-hour lectures dealing with aspects of the Catholic faith. Contact Marcia for more information.

##### Anglican - Presbyterian - United Chaplaincy

Tuesday Noon Study Group: Ventures in Faith; Thursday Noon Eucharist. Both events in Meditation Room, 158A SUB.

##### Lutheran Campus Ministry

Sunday Worship with Eucharist - 10:30 a.m., Meditation Room, 158A SUB

Thursday Evening Worship - 7:30 p.m., Lutheran Student Centre, 11122-86 Avenue  
Noon Hour Bible Study - Wednesdays at noon, Meditation Room, 158A SUB.

#### SUB Theatre

27 September, 7:30 p.m. "Travel Group Cruise Night and Fashion Show." For more information, call AI at 423-1040.  
29 September, 8 p.m. "The Cologne Men's Choir," presented by International Conference Services of Vancouver.

## Non-Credit Courses

### Computing Services

#### MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing (Prerequisite)  
MTS Overview (Prerequisite)

#### TEXTFORM

Introduction to Text Formatting (Prerequisite)

#### SPIRES

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

#### Graphics

Integrated Graphics Overview (IG)

#### Statistics

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
SPSSx Conversion  
Introduction to BMDP  
Introduction to MIDAS  
Introduction to MINITAB  
Introduction to TROLL

#### Microcomputers

Introduction to the IBM PC  
Introduction to the Personal Editor  
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

#### Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.  
Advanced Text Formatting  
Courier Operation and Visual Editing  
Introduction to Plotting  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to the Array Processor  
Introduction to APAL  
Introduction to Clustan  
Introduction to TSP  
Introduction to Osiris  
For more information on any of the courses listed above, telephone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

## Faculty of Extension

### Liberal Studies

Call 432-3033 for the general interest brochure. The course offerings include the following:  
History and Travel in the South Pacific  
Interior Design  
Coral Reefs and Coral Seas  
Joy of Opera I & II  
One-Day French Immersion

### Business and Professional

For further information on the courses listed below, telephone 432-5066.  
Management Introduction to Word Processing and Word Processing Feasibility Studies  
Effectiveness and Results Skills: Meeting the Supervisory Challenge  
Employee Discipline and Complaint Handling  
Effective Speaking for Business and Professional People  
Computer Literacy for Business: Putting Computers to Work for You

### Real Estate Programs

The Real Estate composite brochure can be obtained by calling 432-5060. Some of the course offerings are as follows:  
Should I Buy This House?  
Investment Analysis  
Solving Mysteries of Home Mortgage Finance  
Home Foreclosure Consequences  
Apartment Rental Techniques

### Certificate Programmes

For further information on the courses listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.  
Management Development  
Personnel Administration  
Computers and Business Data Processing  
Industrial Security Management  
Purchasing Management Development  
  
Citation Programme  
For further information on the course listed below, telephone 432-5545 or 432-3027.  
Executive Development Programme for Women

### Land Use Planning

For further information on the courses listed below, telephone 432-2912.  
Land Use Design  
Managing an Architectural Practice  
Urban Design  
The Public Participation Process  
Planning Law

### Science and Technology

For further information on the courses listed below, telephone 432-2912.  
Understanding the Potential of Computer-Assisted Design  
The Public Participation Process  
The Chemistry of Boiler Systems  
Maintenance Management

### Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.  
Adventures in Attitudes  
A Positive Approach to Parenting and Discipline—Making Friends, Not Enemies!  
Explorations in Consciousness  
Assessing Program Effectiveness  
Life Power

### Fitness and Lifestyle Programs

For further information or to be placed on the mailing list, call 432-2015. Places are still available in the following classes:

Fitness During Pregnancy  
Fitness for Health Professionals  
Friday Fitness  
Four O'Clock Fitness  
Body Shaping

### Devonian Botanic Garden

For further information on the courses listed below, telephone 987-3054.

Floral Printing  
Dried Flower Arranging  
Hydroponics for Beginners  
Pictorial Plant Marquetry  
Solar Energy and the Home Greenhouse

### Notices

#### Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Division of Building Services is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 31 October 1984.

Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. L. Pearson, PACCR Office, W4-13 Chemistry Building, Attention: The Building Services Unit Review Committee.

#### Blood Donor Clinic

The Canadian Red Cross Society will hold a Blood Donor Clinic 1 to 5 October on the main floor of the Central Academic Building. The Clinic's hours are 10 a.m. to 3 p.m. each day.

#### Videodisc Space Available

The Department of Computing Services is producing a laser videodisc, composed entirely of slides, for use in January 1985. Anyone wishing to archive slides on laser videodisc can do so by purchasing space on the disc at \$1 per slide. Copies of the disc will sell for approximately \$25.

Anyone interested should contact Dwight Kruger at 432-2611 before 1 October 1984.

### Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Roslyn Hanchard or Roy Bennett, telephone 432-3208.

For Sale: 1 DSD 440 Flexible Disk System consisting of:

- two disk drives
- power supply
- controller/formatter module
- interconnecting cable
- computer interface card for the DEC LSI 11 computer

Uses soft sector, single sided, single density (256K of memory) or double density (512K of memory) 8 inch diskettes.

For more information, telephone Christina Barker, 432-2859.

Required Urgently: (1) One Balance Table Telephone M.A. Henderson, 432-3308, or E.E. Prepas, 432-3463.

### Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

#### Chairman, Department of Elementary Education

Applications are invited for the Chairman of the Department of Elementary Education, Faculty of Education. Applications must be received by 31 October 1984. Address enquiries and applications to: R.S. Patterson, Dean, Faculty of Education, University of Alberta, Edmonton, Alberta T6G 2G5.

#### Chairman, Department of Secondary Education

Applications are invited for the Chairman of the Department of Secondary Education, Faculty of Education. Applications must be received by 31 October 1984. Address enquiries and applications to: R.S. Patterson, Dean, Faculty of Education, University of Alberta, Edmonton, Alberta T6G 2G5.

#### Chairman, Department of Educational Administration

Applications are invited for the Chairman of the Department of Educational Administration, Faculty of Education. Applications must be received by 31 October 1984. Address enquiries and applications to: R.S. Patterson, Dean, Faculty of Education, University of Alberta, Edmonton, Alberta T6G 2G5.

#### Administrative Officer, Department of Computing Science

Applications are invited for the position of Administrative Officer, Department of Computing Science. The Department of Computing Science is currently involved in an expansion program to meet increased student enrolments.

Duties: The Administrative Officer reports directly to the Chairman and is primarily responsible for budgets (capital, trust and computing budgets), personnel management, student registration, time-tabling and laboratories, and is secretary to various Departmental committees. Liaison with other departments and academic units is an important function.

Education: BSc (minimum), with education or experience in computing preferred. Salary: \$27,216 to \$40,824. Expected appointment date: 1 December 1984. Closing date for applications: 19 October 1984.

Applications, including a résumé and the names of three references, should be sent to: Dr. Lee J. White, Chairman, Department of Computing Science, 615 General Services Building, University of Alberta, Edmonton, Alberta T6G 2H1.

#### Part-time Instructors, Department of Computing Services

Computing Services offers a non-credit training program on the use of MTS and some MTS pro-

grams and packages. Limited training for the IBM PC is also offered. The demand for these courses is such that people outside Computing Services are invited to teach some of them part-time. The following courses are planned for the 1984-85 term: MTS and Editor Fundamentals, Advanced MTS and Visual Editing, AJ510 Operation and Visual Editing, MTS Overview, Introduction to TEXTFORM and Introduction to the IBM PC.

If there are enough users interested, other MTS programs or topics can be taught to capitalize on the instructors' special interests.

Anyone with experience as a user of MTS or TEXTFORM is invited to apply. The courses are at the beginner level. What is required is an ability to relate well to new MTS users and to explain in clear and simple fashion the basics of MTS and TEXTFORM.

The courses are taught mostly during weekdays, with some evening classes available. The class format is a combination of lecture and terminal laboratory practice.

The salary for these teaching positions is \$15.03 per hour.

Enquiries should be directed to Marilyn Francis, Training Coordinator, 432-2261, 318 General Services Building.

#### Research Associateship, Boreal Institute for Northern Studies

The Boreal Institute for Northern Studies invites applications for one research associateship to commence 2 January 1985. The position is for eight months (2/3 time), with the possibility of renewal depending upon funding. Minimum qualifications are a master's degree in one discipline and strong research experience, preferably with a northern orientation. Applications will be assessed on the basis of the academic merits of a research proposal dealing with Northern Alberta, N.W.T., or the Yukon. Part of the responsibility of the appointee will be to seek continuing funding for his/her project, and to contribute to the Institute's research function.

Submit research proposal, curriculum vitae and names of three referees before 1 November 1984 to: Dr. A.S.A. Mohsen, Associate Director, Boreal Institute for Northern Studies, CW-401L Biological Sciences Building, University of Alberta, Edmonton, Alberta T6G 2E9.

#### Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 21 September 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Assistant Systems Control Clerk (\$1,205-\$1,442)

Comptroller's Office

Senior Financial Records Clerk (Term)

(\$1,294-\$1,561) Housing and Food Services

Clerk Steno III (Term) (\$1,294-\$1,561) Boreal Institute for Northern Studies

Clerk Typist III (\$1,294-\$1,561) Housing and Food Services

Data Entry Operator II (Trust) (\$1,338-\$1,625)

Paediatrics

Medical Steno (\$1,442-\$1,766) Medicine

Administrative Clerk (Term) (\$1,442-\$1,766) Physics

Secretary (\$1,442-\$1,766) Office of the Vice-President (Academic)

Secretary (\$1,442-\$1,766) Zoology

Secretary (\$1,442-\$1,766) Alumni Affairs

Laboratory Assistant (Term) (\$1,161-\$1,390) Provincial Laboratory

Technical Assistant (\$1,294-\$1,561) Devonian Botanic Garden

Technician II/III (\$1,697-\$2,378) Home Economics

Technologist I/II (Trust) (\$1,697-\$2,378) Genetics

Electronics Technician II (\$1,766-\$2,182) Physical Education and Sport Studies

Electronics Technician II/III (\$1,766-\$2,486)

Computing Science

Administrative Assistant (Term) (\$1,842-\$2,280)

Housing and Food Services

Administrative Assistant (\$1,842-\$2,280) Housing and Food Services

Technologist II (\$1,920-\$2,378) Home Economics

Public Relations Assistant III (\$2,007-\$2,486)

Community Relations

Electronics Technician IV (\$2,280-\$2,834)

Computing Science



University  
of  
Alberta  
Edmonton

**Space Now Available  
to Full and Part-Time  
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Faculty Members  
Galbraith House—  
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122 Street and  
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- Excellent Bus Service to Campus
- Beautiful Panoramic View

Call the University of Alberta Housing & Food Services' Office for conveniently located accommodation  
8:30 am - 4:30 pm  
(Closed for lunch 12-1)

432-4281

or visit 44 Lister Hall anytime  
87 Ave - 116 St.

**Available Now!**



Nurse Practitioner (Trust) (\$2,486-\$3,009) Paediatrics  
 Painter Foreman (\$3,146) Physical Plant—Maintenance

For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library, telephone 432-3339.

## Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

### Accommodations available

Sale - Small, custom designed home on beautifully treed acreage, two miles west of Botanic Garden. Phone 455-7544, 483-2896.  
 Sale - Parkallen, four-bedroom, 1 1/2 storey, attractively maintained, hardwood floors, assumable mortgage. Phone 436-4543.  
 Sale - Attractive, large, two-bedroom condo. 1 1/2 baths, appliances, fireplace, University. 432-0119.  
 For sale - Recently renovated, four-bedroom house, 2,010 sq. ft., Garneau. Enquires, 431-0208.  
 For sale - Malmo. Super buy. Four-bedroom bi-level with two fireplaces, family room and double garage, beautiful back yard. Asking \$82,900. Ed Lastiwka, 437-4984, 437-7480. A.E. LePage.  
 For sale - Saskatchewan Drive. Deluxe, three-bedroom split-level with magnificent view. Huge lot, absolutely immaculate condition. Reduced to \$169,500. All offers considered. Ed Lastiwka, A.E. LePage, 437-4984, 437-7480.  
 For sale - Beau Park. Excellent, three-bedroom semi with nice revenue suite. Beautifully landscaped, quiet crescent location. Asking \$92,000.

Ed Lastiwka, A.E. LePage, 437-4984, 437-7480.  
 For sale - Garneau Place, \$59,900. Immaculate, one-bedroom unit with heated parking. Offers, Ed Lastiwka, A.E. LePage, 437-4984, 437-7480.  
 For sale - Belgravia. Unique, three-bedroom split-level with "Dreger" kitchen. Front drive garage with unistone driveway. Super location. Asking \$92,500. Ed Lastiwka, A.E. LePage, 437-4984.  
 Sale - University condos. \$39,500 to \$79,900. Appliances included. Nice locations. Immaculate. Immediate possession. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - Best buy in Claridge. Original show suite. Good financing, five appliances, private parking. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - University, \$69,900. Walk to campus. Immaculate, three-bedroom home, west yard with apple trees. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - Windsor Park. Super, quiet location. Large lot. Across from park. Three-bedroom home. Hardwood floors. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Sale - Remodelled bungalow. Cozy. Immaculate. Nestled among trees. Super large lot. Double garage. Close to University. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.  
 Rent - Furnished condominium, one bedroom and den, fireplace, sauna, 15 minutes to University, \$650 plus utilities. 487-6673 anytime.  
 Rent - Furnished, four-bedroom home. Two or three persons. \$450 and utilities. 1 Nov.-31 March. All appliances, plug-ins, near University busline. References. 489-7238.

### Automobiles and others

1978 Malibu Classic, good condition. 432-4299, 435-9372.

### Goods for sale

Paintings, other art: Gissing, Murray MacDonald, Pryne, Leighton, others. Japanese stencils, Chinese embroideries. 433-2932.  
 Lamb - Cut, wrapped and delivered, \$2.35/lb. Write for order form, or phone 843-3494. Western Sunset Farm, RR 2, Bluffton, Alberta T0C 0M0.  
 Used IBM selectric and new electronic typewriters. Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

## Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.  
 Singing teacher, Eileen Turner, 439-4661.  
 Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.  
 Academic staff: Supplementary healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: Heat, massages, chiogymnastics, interferential electrotherapy. 436-8059. 11627 75 Ave.  
 Quaker worship, Sundays, 11 a.m., Sorooptimist Room, YWCA. 100 Ave. 103 St.  
 Piano, theory lessons. Western Board. Robert Gariepy. 433-7238.  
 Piano and theory teacher, Lillian Buckler, Blue Quill area. 435-8134.  
 Aspen Salon de Conversation Française, intermediate and advanced level. French classes for adults. Phone 437-4141.  
 Experienced architect: House designs/renovations. Call for consultation. 973-3198 (local).  
 Piano teacher with European and Canadian master's degrees, has opening for a new student. Phone 438-0913.  
 Word Processing Service. Ideal for theses, manuscripts, essays. Most symbols available. \$1.50/page. Lynn, 465-7735.  
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per topic. 487-8652.  
 Photocopying 8¢, word processing \$24/hour, speed typing course, word processing course, cerlox binding, typewriter repair. Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

## MTS USERS

A terminal is now available with features similar to an AJ510—plus some extras.

2 4 PF keys—A Visual Editor  
 Programmable function keys

The U of A ELAN Terminal  
 available from:

Multiflex Technology Inc.  
 319 College Street  
 Toronto, Ontario  
 M5T 1S2 (800-268-3798)  
 at a modest cost of \$700

Required display monitor  
 —amber ZVM 122—\$139  
 —green ZVM 123—\$129

A modem is needed  
 if you want to talk to MTS  
 through your telephone  
 \$100—300 baud  
 \$495—1200 baud

Faculty of Pharmacy  
 Terminal Project  
 Call 5304 or 4203

## Grant MacEwan Community College

### Aids Information Seminar

#### Dates and Times:

Friday, Oct. 12, 9 - 4 p.m.

#### Instructors:

Dr. Colin Soskolne, Ph.D. Epidemiology  
 Dr. Stanley Reid, MD, Ph.D.

Fee: \$45

Location:

Edmonton Room  
 Centennial Library, Main Branch  
 7 Sir Winston Churchill Square  
 Edmonton, Alberta

### Patient Education and the Health Professional

#### Date and Times:

Monday, Oct. 15 and Tuesday, Oct. 16, 9 - 4 p.m.

#### Instructor:

Dr. Donald A. Billie, RN, Ph.D.

Fee: \$45

Location:

Glenrose Hospital Auditorium  
 10230 - 111 Avenue  
 Edmonton

For information, please call Mill Woods Outreach-Health Sciences, 462-5676.

### Lunch Hour Skating Lessons

Starts October 1  
 in the University Ice Arena

Monday 1200-1300 Trembling Beginners

Friday 1200-1300 Skating Improvement

As advertised in the  
 Staff Fitness & Lifestyle Bulletin

10 Lessons \$30.00

Instruction by Helen Richards and  
 Volunteer Coaches

For Information call: 432-5607

(Not recommended for persons well over their ideal body weight)



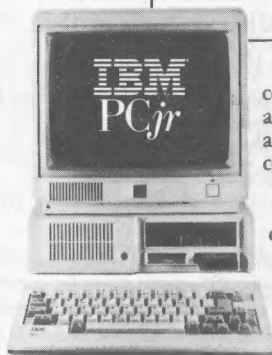
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Choose the base configuration (keyboard and system unit) or add the IBM PC<sub>jr</sub> colour monitor.

Both offers include keyboard cable, BASIC cartridge and DOS 2.1.

To qualify for the special teachers' offer, verification of employment at an accredited educational institution

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<b>Memory</b> User memory: 128KB (expandable to 512KB) -Permanent memory: 64K (ROM) -2 cartridge slots <b>Diskette drive</b> Double-sided Capacity: 360KB <b>Processor</b> 16-bit Intel 8088— same as IBM PC, Portable PC and PC XT	<b>Keyboard</b> Typewriter-style Keyboard can be attached directly or used remotely (cord supplied) <b>Software</b> Runs over 2000 programs for the IBM PC. Runs many plug-in cartridge programs. <b>Display</b> 40- or 80-column	<b>display for text</b> Resolution: 4-colour: 640 x 200 16-colour: 320 x 200 <b>Internal Speaker</b> <b>Expandability</b> Built-in serial inter- face for communications or printers Additional expansion capacity <b>Warranty</b> 1-year limited warranty
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SEE THE IBM PC<sub>jr</sub> SYSTEM AT AN AUTHORIZED IBM OUTLET NOW.  
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\*Special prices apply at participating outlets until November 15, 1984. Federal Sales Tax and Duty will be deducted where applicable on institutional purchases.

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SCHOOL BOARD (DISTRICT NO.) \_\_\_\_\_

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The equipment ordered is for the use of the person ordering and is not for resale  
within a period of one year. This offer is limited to one system configuration.

I agree to abide by the conditions of this order as stated above.

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